

Product Datasheet



ExxonMobil™ PP7935E1

Polypropylene Impact Copolymer

Product Description

A high crystallinity, low impact strength copolymer resin designed for compounding base or injection molding applications requiring high melt flow rate.

General

Availability ¹	▪ Asia Pacific
Features	▪ High Flow ▪ High Stiffness ▪ Nucleated
Uses	▪ Automotive Applications ▪ Compounding
Appearance	▪ Natural Color
Form(s)	▪ Pellets
Processing Method	▪ Compounding ▪ Injection Molding
Revision Date	▪ 12/03/2018

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60 g/10 min	60 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	4770 psi	32.9 MPa	ASTM D638
Tensile Stress at Yield	4410 psi	30.4 MPa	ISO 527-2/50
Elongation at Yield (2.0 in/min (51 mm/min))	5.0 %	5.0 %	ASTM D638
Tensile Strain at Yield	4.7 %	4.7 %	ISO 527-2/50
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	239000 psi	1650 MPa	ASTM D790A
0.51 in/min (13 mm/min)	271000 psi	1870 MPa	ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))	241000 psi	1660 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact 0°F (-18°C)	0.42 ft-lb/in	22 J/m	ASTM D256A
73°F (23°C)	0.83 ft-lb/in	44 J/m	
Notched Izod Impact Strength -4°F (-20°C)	1.2 ft-lb/in ²	2.6 kJ/m ²	ISO 180/1A
32°F (0°C)	1.8 ft-lb/in ²	3.8 kJ/m ²	
73°F (23°C)	2.7 ft-lb/in ²	5.6 kJ/m ²	
Charpy Notched Impact Strength -4°F (-20°C)	1.2 ft-lb/in ²	2.6 kJ/m ²	ISO 179/1eA
32°F (0°C)	1.8 ft-lb/in ²	3.8 kJ/m ²	
73°F (23°C)	3.0 ft-lb/in ²	6.3 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	132 °F	55.5 °C	ExxonMobil Method
Heat Deflection Temperature (0.45 MPa) Flatwise	226 °F	108 °C	ExxonMobil Method
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	250 °F	121 °C	ExxonMobil Method
DTUL (66 psi) - Annealed	261 °F	127 °C	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	101	101	ASTM D785

Product Datasheet

**ExxonMobil™ PP7935E1**
Polypropylene Impact Copolymer**Legal Statement**

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com